

ABSTRACT OF THE DISCLOSURE

An electric motor capable of easily obtaining a required output characteristic. Two separated windings are provided for each of phases U, V, W. Connector units A-I for connecting the windings, and amplifier connection terminals AT1, AT2 are provided. By selectively setting connection states of the connector units A-I, an electric motor having stator windings in a star connection in series or parallel, or an electric motor having stator windings in a delta connection in series or parallel is obtained. By connecting amplifiers to the amplifier connection terminals AT1, AT2 separately, and selecting the connection states of the connector units A-I, an electric motor having an output characteristic equivalent to two electric motors can be obtained. Depending on a machine to which an electric motor is to be applied, an electric motor having an optimum output characteristic can be obtained only by selecting the connection states of the connector units.